

WALTERScheid

COMER INDUSTRIES CORPORATION



SW45 THE PROFESSIONAL SPECIALIST TOOL

for joint assembly



OLD PROBLEMS

In the past, dismantling a yoke, a joint or a cross without damaging it was always an extremely difficult task and could only be achieved by taking plenty of time.

- ▶ It frequently takes considerable effort to dismantle the bushes of compact yoke types or wide-angle yokes.
- ▶ Most of the tools available on the market for dismantling bushes are not user-friendly. Likewise, the previous SW23 and SW27 tools often cause problems or cannot be used at all.
- ▶ The surroundings of a vice are not always the optimum workplace. Needles can fall out of the bearing bush, leading to a tiresome search for needles that are scattered far and wide in what is sometimes a dirty environment.
- ▶ The diameter-dependent tools for releasing the circlips and driving out the bearing bush are usually not directly at hand.
- ▶ Disassembled components can often not be re-used as a result of being damaged.

INNOVATIVE SOLUTION

- ▶ The Walterscheid SW45 ensures that universal joints of drive shafts and cardan shafts can be assembled and dismantled quickly, non-destructively and with the highest level of precision.

Easy, fatigue-free handling and a high level of work safety for workshop staff thanks to the abdication of striking tools. The possibility to dismantle and reuse all components without damage preserves both wallet and environment.



RAPID, RELIABLE ASSEMBLY

The new SW45 tool from the Walterscheid Service Department was developed for the assembly and dismantling of joints.

- ▶ Only minimal effort is required for dismantling and assembly, so that the work can be carried out fatigue-proof. With wide-angle joints, there is even no need for the frequently called in second person.
- ▶ Bearing bushes are now mainly handled in a clean environment. Individual components can no longer be lost, as is otherwise common when using a normal vice.
- ▶ For a broad compatibility of cross-brand cardan shafts, the repair of universal joints and cardan joints has never been easier, safer, more environmentally friendly and more cost-effective.
- ▶ Joints can also be assembled on shaft halves without difficulty.
- ▶ Since they are not damaged, bearing bushes can be re-used after being dismantled.
- ▶ Considerable amounts of time can be saved when dismantling joints of all kinds – particularly when working with wide-angle joints.



Cardan shafts can be rotated 360° around the centre axis and be moved along the longitudinal axis at will. As a result, the SW45 offers **excellent accessibility to cross and bearing bushes.**



High level of work safety thanks to the abdication of a striking tool.



The SW45 is able to cope with even the **heaviest cardan shafts**

OUR TOOLS SAVE YOU NOT ONLY TIME, BUT ALSO MONEY!

Profitability analysis of the SW45 tool

Series	Replacement profiles / joints		No. of workers per assembly	Assembly costs		Savings per operation with SW45	Quantity per year	Savings per year
	without SW45	with SW45		without SW45	with SW45			
	[min]	[min]						
W2100 – W2300 *	20	10	1	22 €	11 €	11 €	12	132,00 €
W2400 – W2700 *	25	12	1,5	41 €	13 €	28 €	15	420,00 €
P400 – P700 *	25	12	1,5	41 €	13 €	28 €	15	420,00 €
WW2280 – WW2580 *	35	15	2	76 €	16 €	60 €	15	900,00 €
PW 480 – PW675 *	35	15	2	76 €	16 €	60 €	15	900,00 €
Total, all repairs							72	2.772,00 €

* Note: This analysis is based on average values, assuming an internal hourly rate of € 65.00.
The tool's payback period can vary, depending on the utilisation of the tool.

ADDITIONAL BENEFITS:

- ▶ Less damage to individual components during assembly
- ▶ Less stress in difficult working conditions
- ▶ Less consequential damage
- ▶ Considerably better assembly quality
- ▶ Significant time savings, reducing the pressure of deadlines
- ▶ Tools can pay back within one year

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